

SUPSI

Senior Researcher (f/m) in Bayesian networks & Probabilistic Graphical Models

The University of Applied Sciences and Arts of Southern Switzerland (SUPSI) active in the fields of the natural and built environment, economics, technological innovation, applied arts, social work and healthcare, learning and training, has opened a position at the Department of Innovative Technologies (DTI), in particular the Dalle Molle Institute for Artificial Intelligence (IDSIA), for a **Senior Researcher (f/m) in the area of Bayesian networks and Probabilistic Graphical Models**. The position is offered with a permanent contract at a level of employment 100%.

Job description:

- Basic research, aiming at publications in highly rated journals and international conferences.
- Applied research, collaborating with industrial partners in cutting-edge projects.

A cross-activity will be contributing to search for funding opportunities of both basic and applied research.

Requirements:

Essential

- The position is for a researcher within 10 years since their PhD degree.
- Master degree with top marks in Informatics-Statistics or other areas with strong emphasis on computation.
- PhD in Informatics-Statistics or other areas with strong emphasis on computation, with a thesis on Bayesian Networks.
- Postdoctoral work on Bayesian networks and related graphical models.
- Strong mathematical and statistical skills, as clearly shown in some methodological publications.
- Excellent programming skills and deep knowledge of tools for Bayesian networks learning and inference.
- Strong publications record.
- Strong collaboration record with companies on applied research.
- Good knowledge of Machine Learning algorithms and tools.
- Proficiency in written and spoken English.
- Communication and collaboration skills.

Desirable

- Proven experience of application of graphical models to biological problems (in particular on omics data).
- Proven didactical experience.
- Good knowledge of written and spoken Italian.

We offer:

- A permanent position.
- International working environment.
- Collaboration with a strong team of researchers in Machine Learning and Statistics (see <http://ipg.idsia.ch>).
- Possibility of development of own professional and scientific skills as well as career progression.
- Attractive salary, in line with Swiss standards.

Additional information:

The requirements for this function are published within the "Direttiva interne SUPSI" (direttiva 7a) and within "Regolamento del personale SUPSI" on the following **website**.

Additional information can be asked to:

Prof. Marco Zaffalon
marco.zaffalon@supsi.ch

Applicants should submit the following documents, written in English:

- Curriculum vitae with publications list and possibly link to the thesis.
- List of three references (complete with contact details and e-mail addresses).
- Brief statement on how their research interests fit the topics above (1-2 pages).

Only applications submitted electronically within and not later than **July 1st 2018** and through the **appropriate form** will be taken into consideration.

Applications that are incomplete, sent after the indicated deadline or other channels will not be considered.